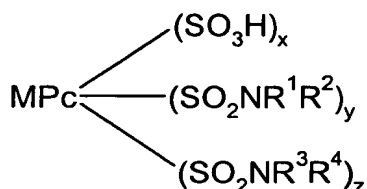


ABSTRACTProcess for the fractionation of mixtures of phthalocyanine dyes

5 Process for forming an image on a substrate comprising applying an ink thereto
by means of an ink-jet printer wherein the ink comprises a liquid medium and a
phthalocyanine dye fraction obtainable by the fractionation of a solution and/or suspension
of a mixture of phthalocyanine dyes of Formula (1), and salts thereof, by cross-flow
filtration:



Formula (1)

wherein:

- 15 M is 2H, copper or nickel;
 Pc represents a phthalocyanine nucleus;
 R¹ and R³ independently are H or optionally substituted C₁₋₄alkyl;
 R² and R⁴ independently are H or optionally substituted hydrocarbyl; or
20 R¹ and R², and, R³ and R⁴, independently, together with the nitrogen atom to which
they are attached represent an optionally substituted aliphatic or aromatic ring
system;
 x is 0 to 3.9;
 y is 0 to 3.9;
 z is 0.1 to 4; and
25 the sum of (x+y+z) is 2.4 to 4.5.